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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/001,430	10/31/2001	Roland M. Hochmuth	10017761-1	2418

7590 12/22/2006  
L. Joy Griebenow - HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. BOX 272400  
FORT COLLINS, CO 80527-2400

EXAMINER
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YANG, RYAN R

ART UNIT	PAPER NUMBER
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2628

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	12/22/2006	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/001,430

Applicant(s)

HOCHMUTH ET AL.

Examiner

Ryan R. Yang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11 October 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 19-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 19-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Applicant's election without traverse of Group III in the reply filed on 10/11/2006 is acknowledged.
2. This action is responsive to communications: Amendment, filed on 6/5/2006.  
This action is non-final.
3. Claims 19-25 are pending in this application. Claim 19 is independent claims.
4. The present title of the invention is "System and method for communicating graphics image data over a communication network" as filed originally.

### ***Claim Rejections - 35 USC § 102***

5. Claims 19-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Hochmuth et al. (2003/0058248).

As per claim 19, Hochmuth et al, hereinafter Hochmuth, discloses a method of transmitting graphics image data over a communication network, comprising:

comparing graphics image data of a new image for a particular destination device of a plurality of destination devices with graphics image data of a previous image for particular destination device stored in a frame buffer of a graphics adapter remote from said particular destination device ("The NVA 400 further comprises comparison logic for comparing blocks stored within the temporary memory 430 with corresponding blocks stored within the frame buffer memory 420", [0086] line 10-13), said graphics adapter rendering said graphics image data for said new image and previous image ("it should be appreciated that certain embodiments provide a NVA 100, 200, or 300 that is

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attached to the video output of a graphics adapter on a source computer node", [0046] line 1-4, where a graphics adapter inherently renders images );

selecting blocks of graphics image data of new image that are different from corresponding blocks of graphics image data of previous image ("the comparison logic 440 may be further configured to overwrite the corresponding block of the frame buffer memory 420 with the new, or changed, graphics information", [0086] line 22-25); and

formatting, by said graphics adapter, said selected blocks of graphics image data of said new image into a plurality of packets for transmission by a network interface of said graphics adapter over said communication network (Figure 3, item 177 and Figure 8, item 510).

6. Regarding claim 20, Hochmuth discloses that transmitting plurality of packets to said particular destination device over said communication network (Figure 5 where data block is compressed and coded (Figure 1, item 403).

7. Regarding claim 21, Hochmuth discloses that compressing said selected blocks of graphics image data prior to formatting selected blocks of graphics image data (Figure 3, item 176 and 177).

8. Regarding claims 22-23, Hochmuth discloses that adding identification information identifying selected blocks to plurality of packets and identification information comprises block numbers for selected blocks Figure 7, item 472).

9. Claims 24 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hochmuth et al.

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Regarding claim 24, Hochmuth demonstrated all the elements as disclosed in the rejected claim 22.

As for identification information comprises coordinate information for a plurality of corners of said selected blocks, since it is notoriously well known (Official Notice) in the art that a image block could be identified by its corner points, it would have been obvious to one of ordinary skill in the art to use such method in order to identify an image block.

10. Regarding claim 25, Hochmuth demonstrated all the elements as disclosed in the rejected claim 20.

As for waiting for a request for graphics image data from at least one of at least one destination device, since it is notoriously well in the art (Official Notice) that image is transmitted upon request, it is obvious to one of ordinary skill in the art to use the method in order to properly transfer image data.

### ***Response to Arguments/Amendments***

11. Applicant's arguments with respect to claims 19-25 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

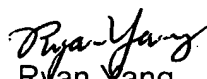
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### **Inquiries**

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan R. Yang whose telephone number is (571) 272-7666. The examiner can normally be reached on M-F 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on (571) 272-7664. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Ryan Yang  
Primary Examiner  
December 15, 2006